



{In Archive} RE: Former Hewitt Pit (Vulcan Materials Company) Planned Groundwater Sampling Revision to point #4

Kelly Manheimer to: Ehrlich, Kenneth A.

01/26/2011 02:39 PM

Cc: Andy Austin, "Lindquist, John/RDD", "Bajsarowicz, Voytek", Michael Massey, "Jones, Ian"

Archive: This message is being viewed in an archive.

Hi, Ken:

Per our conversation a few minutes ago, I understand that Vulcan will be conducting the sampling that EPA has requested. At this point, because we missed the timeframe in December for the water level measurements, we are requesting only the following wells to be sampled:

<u>Well ID (Regional)</u>	<u>Alternate Well ID</u>	<u>Year Constructed</u>	<u>Total Depth (feet bgs)</u>	<u>Screened Interval (feet bgs)</u>
4909F	V14HEW9F	1987	285	225-285
4909C	V14HEWC9	1984	500	232-490
4899	V14HEW99	1984	285	120-286

We have previously provided answers to questions your consultant had (see below), but if there are any remaining questions, please have your consultant coordinate with John Lindquist, who is the CH2MHILL Project Manager, with copies to me of all emails. Please let us know when the sampling will occur. The specific analyses requested are below:

<u>Analysis</u>	VOCs	1,2,3-TCP	Hexavalent Chromium	Perchlorate	Dissolved Metals (including cations and silica)	1,4-Dioxane
<u>Analytical Method</u>	Mod CLP for low/medium VOA	EPA 524.2 SIM	EPA 218.6	EPA 314.0 or EPA 6850	CLP SOP 507 (Full list including; cations, iron, manganese)	SW8270 SIM

Please also take water level measurements from each well.

As far as timing is concerned, I would appreciate if the sampling could occur as soon as possible, to be as close as possible to the original event (which was in December).

I appreciate Vulcan's cooperation on this event.

As a head's up, EPA will be conducting our next regular sampling event the first two weeks of April. Since we missed the water level event in December, I will likely request access to take water levels only during this event. I am still determining the exact coverage needed for the next event, however, and will let you know as soon as I can on the specific wells needed.

Thank you, and have a nice day!

Regards,
Kelly Manheimer
EPA, Superfund SFD-7-1
415-972-3290

"Jones, Ian"

Hello Kelly, Thanks for the clarification regarding...

01/25/2011 10:26:13 PM

From: "Jones, Ian" <IJones@haleyaldrich.com>
To: Kelly Manheimer/R9/USEPA/US@EPA
Cc: "Lindquist, John/RDD" <John.Lindquist@CH2M.com>, Andy Austin <Andy.Austin@ch2m.com>, "Ehrlich, Kenneth A." <KAE@JMBM.com>, "Bajsarowicz, Voytek" <VBajsarowicz@haleyaldrich.com>
Date: 01/25/2011 10:26 PM
Subject: RE: Former Hewitt Pit (Vulcan Materials Company) Planned Groundwater Sampling Revision to point #4

Hello Kelly,

Thanks for the clarification regarding lines of communication, and for your answers.
I wrongly assumed that I was to coordinate with the sampling team.

Please keep me and Ken Ehrlich appraised of the revised sampling plans.

Sincerely,

Ian Jones, Ph.D., P.G., C.HG.
Senior Hydrogeologist
Haley & Aldrich Inc.
Cell Phone: 714.642.6197

From: Manheimer.Kelly@epamail.epa.gov [mailto:Manheimer.Kelly@epamail.epa.gov]
Sent: Tuesday, January 25, 2011 5:09 PM
To: Jones, Ian
Cc: Lindquist, John/RDD; Andy Austin
Subject: Fw: Former Hewitt Pit (Vulcan Materials Company) Planned Groundwater Sampling Revision to point #4

Hi, Ian:

I am the project manager for the North Hollywood superfund site, and I would very much appreciate it if you could direct your questions to me in the future. I am responsible for managing the time of my consultant, CH2MHILL, and as such, directions need to come from me only.

We were planning to set the sleeves on Thursday; however, based on email exchanges late this afternoon, it appears that we may not be sampling at all, and you will do it for Vulcan and send the info to us. Either way, the answers to your questions are below.

Take care,

Regards,
Kelly Manheimer
EPA, Superfund SFD-7-1
415-972-3290

From: Jones, Ian [<mailto:IJones@haleyaldrich.com>]
Sent: Monday, January 24, 2011 11:10 PM
To: andy.austin@e2.com
Cc: Raithel, Mathew; Bajsarowicz, Voytek
Subject: Former Hewitt Pit (Vulcan Materials Company) Planned Groundwater Sampling
Importance: High

Hello Andy,

I am the Hydrogeologist coordinating the duplicate Hydrasleeve sampling on behalf of Vulcan.

Please could you answer the following questions as soon as possible:

- 1) What size Hydrasleeves are you planning to deploy in the Wells (4899, 4909C, and 4909F)?
The Hydrasleeves are from Geolnsight (GEO-HS-4-2L). The units that will be used are some the Geolnsight had modified to retrieve a slightly larger volume (2.5L), which allows us to obtain sufficient volume for our projected analyses.
- 2) Do you envisage any issues with us deploying 'our' Hydrasleeves at the same (or close to) 'your' Hydrasleeve? What do you use for lowering and retrieval and do you expect a problem with tangling.
It is possible to run more than one Hydrasleeves using the tethers provided. Our field crew has a tripot that he can transport with his vehicle, the tether is calibrated in 'ft' so accurate placement can be made for the sleeves.
- 3) Are you confident of being able to deploy at the depths you state in your January 24, 2011 Memorandum?
Yes.
- 4) Why do you propose to deploy the Hydrasleeve samplers near the bottom of each screened section? Is this because you anticipate downward vertical flows and therefore, samples from the bottom of the wells is anticipated to provide an integrated sample from the saturated screen interval?
The DTW is anticipated to be below the top of the well screen, with a limited water column in some wells. Table 3 (below) is from the Project Instructions from our December 2011 Field Event. From this table it is evident that the available water column within the monitoring wells may be limited. In these cases, the Hydrasleeves should be set either approximately 5-feet above the TD (as long as it's above the base of the screen) or 5-10 feet below the measured DTW as long as that put them within the screen interval. The depths shown in Table 3 are 5-feet above the TD (excluding 4909C). Care should be taken to ensure that the proper number of hydrasleeves is installed to obtain sufficient volume for all of the analyses.

Table 3 Monitor Well Information and Hydrasleeve Depth Hewitt Landfill Area NHOU 4Q2010 Baseline Sample Event									
Alt Name	Last Sample Date	Sampled by	Casing Dia (in)	Ground Surface	Total Depth	TOS ft-bgs)	(BOS ft-bgs)	DTW (bgs)	Depth for Hydrasleeve
4899	12/2006	CDM	8.0	768	290	120	286	254.0	285
4909C	9/2007	CH2M	6.0	750	500	230	490	270.5	350
4909F	12/2006	CDM	8.0	765	348	138	348	266.2	340

Water column +/- 32 ft
 Water column +/- 220 ft (set mid point wl-bos)
 Water column +/- 82 ft

5) What are the exact analytical methods, storage and preservation details for each analyte-set? I will need to order the same bottles as those you intend to use.
 (from 1/24/11 letter) Below is a summary of the analytes that EPA intends to sample for during the upcoming sampling event:

			Hexavalent		Dissolved Metals	
Analysis	VOCs	1,2,3-TCP	Chromium	Perchlorate	(including cations and silica)	1,4-Dioxane
	Mod CLP for			EPA 314.0	CLP SOP 507 (Full	
Analytical	low/medium	EPA	EPA218.6	or EPA	list including; cations,	SW8270 SIM
Method	VOA	524.2 SIM		6850	iron, manganese	

6) Do you intend to collect any field parameter data?

No.

7) Do you intend to field filter any of the samples (Cr6, Metals)?

The metals will be field filtered using 0.45 filter. Cr6 will not be filtered.

8) Do you know which days and at what times you intend to deploy and retrieve the samplers? I will need to know, so I (or another team member) can meet you to conduct the duplicate sampling at the same time.

For coordination with other field events and laboratories, we plan on retrieving the Hydrasleeves on Monday 1/31.

Thanks in advance for your help.

Ian Jones, Ph.D., P.G., C.HG.

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